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In re Saraf application of inventor Saraf

Serial No. 09/870,986

Group Art Unit: 1634

Filed: 06/01/2001

Examiner: Chakrabarti

TECH CENTER 1600/2900

For: ***"BIO-CHIP, PHOTOLUMINESCENT METHODS FOR IDENTIFYING BIOLOGICAL MATERIAL, AND APPARATUS FOR USE WITH SUCH METHODS AND BIO-CHIPS"***

Assistant Commissioner for Patents

Washington, D.C. 20231

AMENDMENT UNDER 37 C.F.R. § 1.111

Dear Sir:

In response to the Office Action mailed on 02/28/2002, please amend the above-identified patent application as follows:

IN THE CLAIMS:

Please amend the following claims: 1 and. A clean copy of the amended claims is attached.

1. (Amended). A tagging-free method to detect binding of molecules, comprising the steps of:

(A) providing a sensor comprised of a first layer [including a single stranded nucleic acid sequence] and a second layer [including a photoluminescent material] wherein said first layer comprises a single stranded nucleic acid sequence and wherein said second layer comprises a photoluminescent material;

(B) exposing said sensor to a biological sample for sufficient time for said single stranded nucleic acid sequence to bind to a material of interest in said biological sample;

(C) [exposing said sensor to] applying light to said sensor; and

(D) measuring photoluminescence from said sensor, wherein photoluminescence